

DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that my residence, mailing address and citizenship are as stated below next to my name that I verily believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor, plural names are listed below) of the subject matter claimed and for which a patent is sought in the application entitled:

INTELLIGENT RADIO DESIGN FOR SATELLITE GATEWAYS AND TERRESTRIAL BASE STATIONS

which application is:

☒ the attached application

(for original application)

☐ Application No. _____

filed, and amended on _____

(for declaration not accompanying application)

that I have reviewed and understand the contents of the specification of the above-identified application, including the claims, amended by any amendment referred to above; that I acknowledge my duty to disclose information of which I am aware and which material to the patentability of this application as defined in 37 C.F.R. 1.56, that I hereby claim priority benefits under Title 35, United States Code §119(a)-(d) or §365(b) of any foreign application(s) for patent or inventor's certificate, §119(e) of any United States provisional application(s), or §365(a) of any PCT International application which designated at least one country other than the United States of America, listed below and have also identified below any foreign application for patent or inventor's certificate or of a PCT International application having a filing date before that of the application on which priority is claimed:

Application Number	Country	Filing Date	Priority Claimed Yes No
60/218,216	US	July 14, 2000	<input checked="" type="checkbox"/> <input type="checkbox"/>

I hereby claim the benefit under 35 United States Code §120 of any United States application(s), or §365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is disclosed in a listed prior United States or PCT International application in the manner provided by the first paragraph of Title 35 United States Code, §112, I acknowledge my duty to disclose any information material to the patentability of this application defined in 37 C.F.R. 1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

Application No.	Filing Date	Status
60/218,216	July 14, 2000	Pending

I hereby appoint John H. Mion, Reg. No. 18,879; Thomas J. Macpeak, Reg. No. 19,292; Robert J. Seas, Jr., Reg. No. 21,092; Dan Mexic, Reg. No. 23,063; Robert V. Sloan, Reg. No. 22,775; Peter D. Olcxy, Reg. No. 24,513; J. Frank Osha, Reg. No. 24,62; Waddell A. Biggart, Reg. No. 24,861; Louis Gubinsky, Reg. No. 24,835; Neil B. Siegel, Reg. No. 25,200; David J. Cushing, Reg. No. 28,703; John R. Inge, Reg. No. 26,916; Joseph J. Ruch, Jr., Reg. No. 26,577; Sheldon I. Landsman, Reg. No. 25,430; Richard Turner, Reg. No. 29,710; Howard L. Bernstein, Reg. No. 25,665; Alan J. Kasper, Reg. No. 25,426; Kenneth J. Burchfiel, Reg. No. 31,333; Gordon Kit, Reg. No. 30,764; Susan I. Mack, Reg. No. 30,951; Frank L. Bernstein, Reg. No. 31,484; Mark Boland, Reg. No. 32,197; William H. Mandir, Reg. No. 32,156; Brian W. Hannon, Reg. No. 32,778; Abraham J. Rosner, Reg. No. 33,276; Bruce Kramer, Reg. No. 33,725; Paul F. Neils, Reg. No. 33,102; Brett S. Sylvester, Reg. No. 32,765; Robert M. Masters, Reg. No. 35,64; George F. Lehnigk, Reg. No. 36,359; John T. Callahan, Reg. No. 32,607; Steven M. Gruskin, Reg. No. 36,818; Peter A. McKem, Reg. No. 38,551 and Edward F. Kenahan, Reg. No. 28,962, my attorneys to prosecute this application and to transact all business the Patent and Trademark Office connected therewith, and request that all correspondence about the application be addressed **SUGHRUE, MION, ZINN, MACPEAK & SEAS, PLLC, 2100 Pennsylvania Avenue, N.W., Washington, D.C. 20037-3213.**

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such will false statements may jeopardize the validity of the application or any patent issuing thereon.

Date: 7/14/2001 First Inventor: Prakash CHAKRAVARTHI
 Residence: Germantown MD Signature: [Signature]
 City: Germantown State/Country: MD

Mailing Address: 23 Staffordshire Ct.
Germantown, MD 20874

Citizenship: INDIA

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Technology Center 2100



Date 07/16/2001 Second Inventor Anupama DHARAP
First Name Middle Initial Last Name
Residence New Mumbai INDIA Signature [Signature]
City State/Country
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Sector 14, Vashi, New Mumbai
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Citizenship INDIA



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Form PTO-1595
1-31-92U.S. DEPARTMENT OF COMMERCE
Patent and Trademark OfficeRECORDATION FORM COVER SHEET
PATENTS ONLY

To the Director – U.S. Patent and Trademark Office. Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):
Prakash CHAKRAVARTHI, Anupama DHARP

Additional name(s) of conveying party(ies) attached?
☐ yes ☒ no

2. Name and address of receiving party(ies)?
COMSAT CORPORATION
22300 Comsat Drive
Clarksburg, Maryland 20871

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3. Nature of Conveyance:
☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Names
☐ Other

Additional name(s) & address(es) attached?
☐ yes ☒ no

Execution Date: July 16, 2001

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: July 14, 2001 and July 16, 2001

A. Patent Application No.(s)/Confirmation No.(s)
09/904,860 /5464

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

SUGHRUE MION, PLLC
2100 Pennsylvania Avenue, N.W.
Suite 800
Washington, D.C. 20037-3213

6. Total number of applications and registration involved:
1

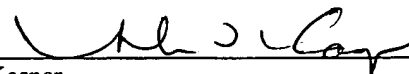
7. Total Fee (37 CFR 3.41): \$40.00
Enclosed. Please charge any underpayment in connection with this Assignment to Deposit Account No. 19-4880.
x Authorized to be charged to Deposit Account

8. Deposit Account No.
19-4880

DO NOT WRITE IN THIS SPACE

9. Statement and Signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.


Alan J. Kasper

Reg. No. 25,426

November 6, 2001

Date

TOTAL NUMBER OF PAGES COMPRISING COVER SHEET, ATTACHMENTS AND DOCUMENT: 3

OMB No. 0651-0011 (exp. 4/94)

Do not detach this portion

Mail documents to be recorded with required cover sheet information to:

Director – U.S. Patent and Trademark Office
Box Assignment
Washington, D.C. 20231

Assignment

Whereas, I/We, CHAKRAVARTHI, PRAKASH; DHARAP, ANUPAMA of Germantown, MD, and Maharashtra, INDIA, respectively, hereinafter called assignor(s), have invented certain improvements in INTELLIGENT RADIO DESIGN FOR SATELLITE GATEWAYS AND TERRESTRIAL BASE STATIONS and executed an application for Letters Patent of the United States of America therefor on _____; and

Whereas, COMSAT CORPORATION, 22300 Comsat Drive, Clarksburg, MD 20871 (assignee), desires to acquire the entire right, title, and interest in the application and invention, and to any United States patents to be obtained therefor;

Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,

I/We, the above named assignor(s), hereby sell, assign and transfer to the above named assignee, its successors and assigns, the entire right, title and interest in the application and the invention disclosed therein for the United States of America and all countries foreign thereto, including rights of priority under the International Convention of Paris (1883) as amended, and I/we request the Director - U.S. Patent and Trademark Office to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns; and I/we hereby agree that the assignee may apply for foreign Letters Patent on the invention and I/we will execute without further consideration all papers deemed necessary by the assignee in connection with the United States and foreign applications when called upon to do so by the assignee.

I/We hereby authorize and request our attorneys SUGHRUE, MION, ZINN, MACPEAK & SEAS, PLLC of 2100 Pennsylvania Avenue, NW, Washington, DC 20037-3213 to insert here in parentheses (Application number _____ and Confirmation number _____, filed _____) the filing date and application number of said application when known.

Date:

7/16/01

s/CHAKRAVARTHI, PRAKASH

Date:

s/DHARAP, ANUPAMA

Date:

s/

Date:

s/

Date:

s/

Date:

s/

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. §261)

Assignment

Whereas, COMSAT CORPORATION, 22300 Comsat Drive, Clarksburg, MD 20871 (assignee), desires to acquire the entire right, title, and interest in the application and invention, and to any United States patents to be obtained therefor:

I/We, the above named assignor(s), hereby sell, assign and transfer to the above named assignee, its successors and assigns, the entire right, title and interest in the application and the invention disclosed therein for the United States of America and all countries foreign thereto, including rights of priority under the International Convention of Paris (1883) as amended, and I/we request the Director - U.S. Patent and Trademark Office to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns; and I/we hereby agree that the assignee may apply for foreign Letters Patent on the invention and I/we will execute without further consideration all papers deemed necessary by the assignee in connection with the United States and foreign applications when called upon to do so by the assignee.

Date:

CHAKRAVARTHI, PRAKASHI

Date: 07/16/2001

MDHARAPANUPAMA

Date:

Date:

Date: _____

Dates:

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. §261)